

## 1 Manufacturer Instructions

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- 1.1 Manufacturer's instructions – no instructions found
- 1.2 Manufacturer's instructions – instructions incomplete
- 1.3 Manufacturer's instructions to lab contradict owner's manual operation

## 2 Firebox

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- 2.1 Firebox dimensions missing
- 2.2 Firebox dimensions do not measure full firebox
- 2.3 Firebox volume – manufacturer materials contradict test report

## 3 Appliance Conditioning

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- 3.1 Data to meet hour requirements
- 3.2 Data to support burn rate requirements
- 3.3 Time and location of conditioning
- 3.4 Manufacturing testing at certification lab

## 4 Filter Issues

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- 4.1 Requirement to change filters
- 4.2 Reporting data for first-hour emissions if filter plugged after 60-minutes
- 4.3 Negative filter weights

## 5 Burn Rate

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- 1. Required data to determine lowest burn rate tested
- 2. Requirement for max heat output
- 3. Medium burn rate must be 50% or less than high burn. (Pellet stove only issue)

## 6 Owner's Manual

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- 6.1 Owner's manual missing elements
- 6.2 Changes to owners manual after certification

## 7 Reporting

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- 7.1 PM first-hour emissions for all runs
- 7.2 CO individual run
- 7.3 Fuel length
- 7.4 Fuel species
- 7.5 Fuel moisture content
- 7.6 Fuel loading volumes
- 7.7 Pellet fuel analysis (Pellet only issue)
- 7.8 CO individual run
- 7.9 Train precision

- 7.10 Lab notes
- 7.11 Raw data sheets
- 7.12 Reporting of preliminary testing
- 7.13 Missing run data for incomplete or invalidated test runs
- 7.14 Failure to report anomalies
- 7.15 Photo documentation – failure to report or not provide all photos as required by the test method
- 7.16 30-day notice before testing
- 7.17 60-day post-test submission
- 7.18 Date appliance received by lab

## 8 Calculations

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- 8.1 Fuel length – applies only to appliances test with M28R/ASTM 2780 fuel – how 5/6 calculated
- 8.2 Stack loss efficiency
- 8.3 Stack loss efficiency less than delivered efficiency (boilers only)
- 8.4 Negative PM emission rates
- 8.5 Reporting zero for CO